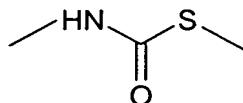


Claims

1. A thiocarbamide comprising at least one carbodiimide group and at least one thiocarbamic ester group of the formula

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2. The thiocarbamide according to claim 1, further comprising hydrophilic groups.

10 3. The thiocarbamide according to claim 1 or 2, wherein the hydrophilic groups are selected from ionic groups or nonionic hydrophilic groups.

4. The thiocarbamide according to any one of claims 1 to 3, wherein the nonionic groups are polyalkylene oxide groups.

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5. The thiocarbamide according to any one of claims 1 to 4, wherein the compounds are obtainable by reacting

20 a) carbodiimides having at least one isocyanate group,
b) mercapto compounds having at least one mercapto group, and
c) if appropriate, further compounds having isocyanate groups or isocyanate-reactive groups.

25 6. The thiocarbamide according to claim 5, wherein the carbodiimides a) derive from aliphatic or araliphatic C4 to C20 polyisocyanates.

7. The thiocarbamide according to claim 5 or 6, wherein the mercapto compounds
b) comprise not only at least one mercapto group but also at least one hydrophilic group.

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8. The thiocarbamide according to any one of claims 1 to 7, comprising on average from 1 to 20 carbodiimide groups and from 1 to 4 thiocarbamic ester groups.

35 9. The thiocarbamide according to any one of claims 1 to 8, comprising on average from 0.01 to 2 mol of hydrophilic groups per 1 kg of thiocarbamide.

10. The use of a thiocarbamide according to any one of claims 1 to 9 as crosslinker for polymers in solution or dispersion in water.

11. An aqueous polymer dispersion or polymer solution comprising from 0.1 to 50 parts by weight of a thiocarbamide according to any one of claims 1 to 9 per 100 parts by weight of polymer.
- 5 12. The aqueous polymer dispersion or polymer solution according to claim 11, wherein the dispersed or dissolved polymer is a polyurethane or a polymer obtainable by free-radical addition polymerization of ethylenically unsaturated compounds (monomers) (polyadduct for short).
- 10 13. The aqueous polymer dispersion or polymer solution according to claim 11 or 12, wherein the dissolved or dispersed polymer contains carboxylic acid groups.
14. The use of the polymer dispersion or solution according to any one of claims 11 to 13 as an adhesive, impregnant or coating material.
- 15 15. The use of the polymer dispersion or solution according to any one of claims 11 to 13 as or in heat-activatable adhesives.
- 20 16. A substrate coated, impregnated or adhesively bonded with the polymer dispersion or solution according to any one of claims 11 to 13.
17. The use of a thiocarbamide according to any one of claims 1 to 9 as a stabilizer for polymers containing ester or amide groups.